



[STORAGE CAPACITOR STRUCTURE]

Abstract of Disclosure

A storage capacitor structure comprising a first capacitor electrode over a substrate, a capacitor dielectric layer over the first capacitor electrode and a second capacitor electrode over the capacitor dielectric layer, a passivation layer over the second capacitor electrode and a pixel electrode layer over the passivation layer. The passivation layer has an opening that exposes a portion of the second capacitor electrode. The pixel electrode layer has a protruding section that permits electrical connection with the second capacitor electrode through the opening in the passivation layer. If the first capacitor electrode and the second capacitor electrode are in short circuit, the protruding section may be cut to detach the pixel electrode layer from the second capacitor electrode.